DOOR PREP
Mark on INSIDE of door

7/8"
(.875")
[22mm]

3-7/8"
(3.875")
[98mm]

Ø19/32"
(Ø.594")
[15mm]
TYP (2)

3-5/8"
(3.625")
[92mm]

Ø2-1/8"
(Ø2.125")
[54mm]

Backset *

LEVER/STRIKE

LOCK

DOOR EDGE
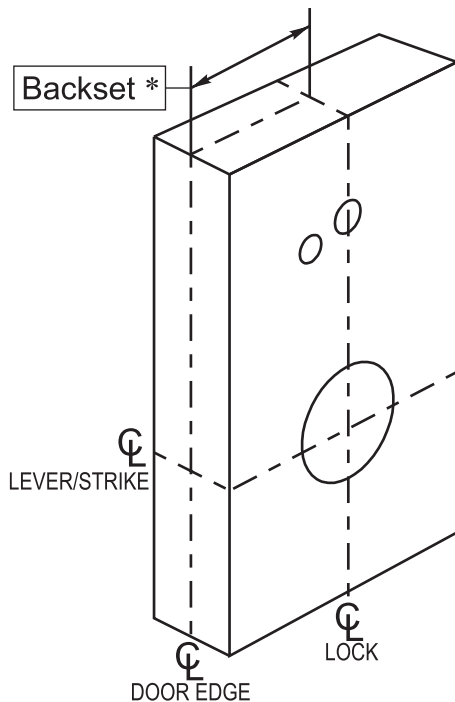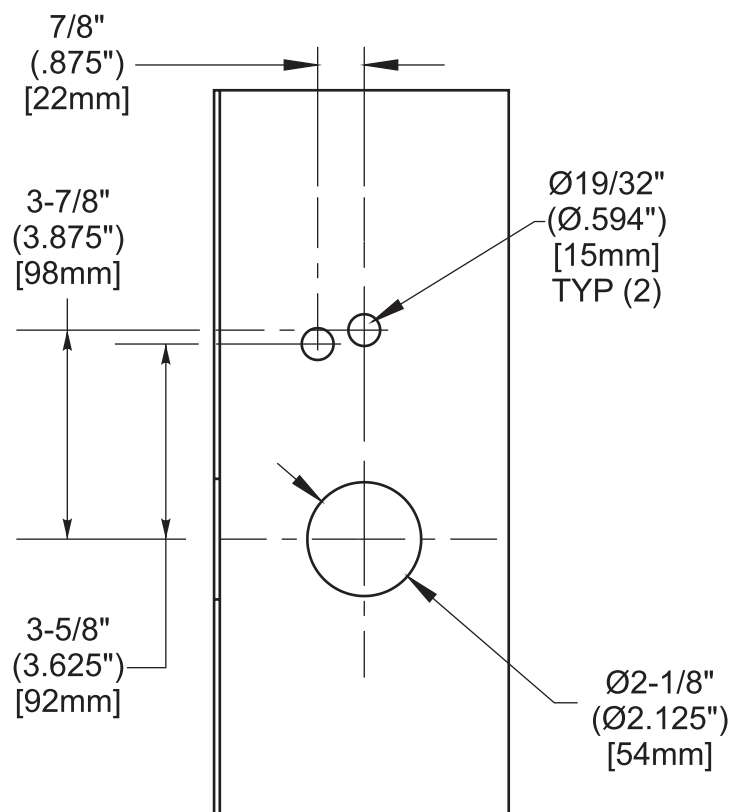
* BACKSET IS MEASURED FROM CENTER OF BEVEL

OLB	2-3/8" [60mm]
SLB & ELB	2-3/4" [70mm]

SCHLAGE
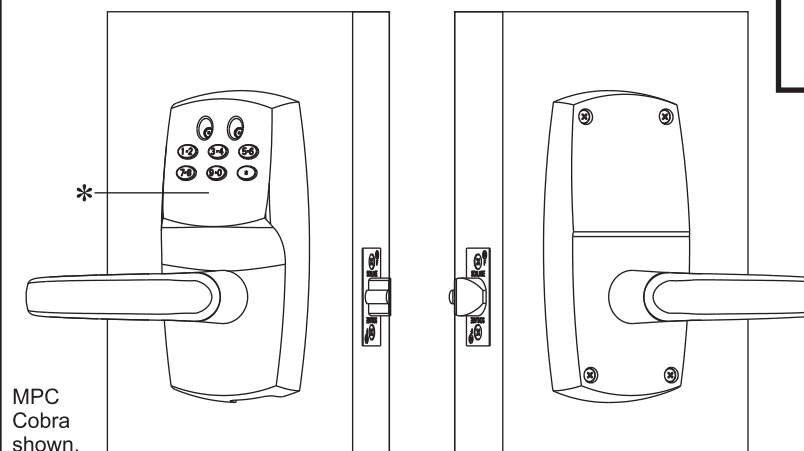
COBRA SERIES
(Cylindrical)
Manually Programmable (MP)
&
Software Programmable (SP)

*

MPC Cobra shown.

INSTALLATION INSTRUCTIONS

INTRODUCTION
This manual covers the complete hardware installation of all models in the MPC Cobras and SPC Cobras series of cylindrical locks.

NOTES:
- Illustration on pages 2 and 3 shows a LHR installation, but yours might be different.
- For manual programming instructions, see the programming guide.
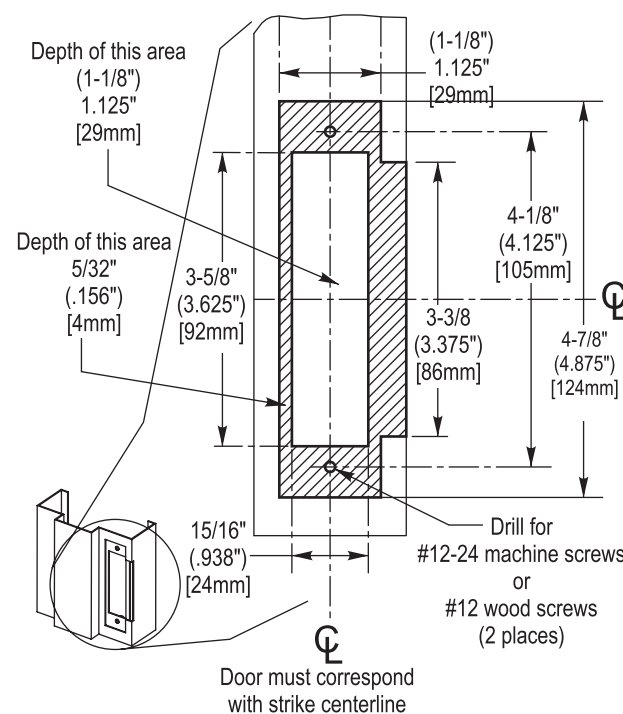- Do not overtighten fasteners.

NON-SUPPLIED TOOLS & MATERIALS NEEDED
- ☞ Philips head screwdriver set
- ☞ Power Drill with 3/8" chuck
- ☞ Drill bit set (up to 1")
- ☞ 1-1/4" Hole saw w/mandrel
- ☞ Allen wrench set
- ☞ Square (90 degrees)
- ☞ Threadlocker (Loctite 242 recommended)
- ☞ Tape Measure
- ☞ Pencil
- ☞ Center Punch
- ☞ Hammer
- ☞ Chisel
- ☞ Level
- ☞ Masking tape
- ☞ Spanner screw tool
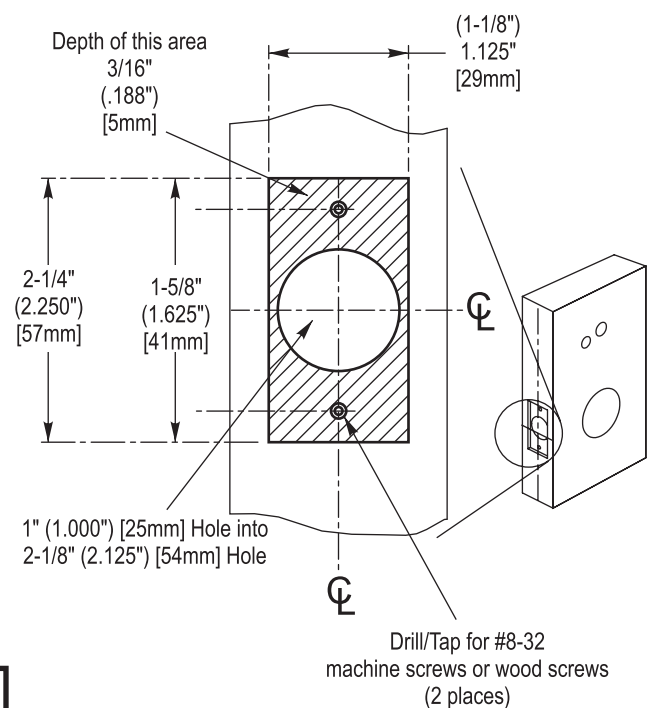
**See Back Cover for:
Door, Frame and Latch Preparation**

* An SPC Cobra has iButton receptacle directly below 9-0 button.

LATCH PREP

Depth of this area
3/16"
(.188")
[5mm]

(1-1/8")
1.125"
[29mm]

2-1/4"
(2.250")
[57mm]

1-5/8"
(1.625")
[41mm]

1" (1.000") [25mm] Hole into
2-1/8" (2.125") [54mm] Hole

Drill/Tap for #8-32
machine screws or wood screws
(2 places)

FRAME PREP

Depth of this area
(1-1/8")
1.125"
[29mm]

(1-1/8")
1.125"
[29mm]

Depth of this area
5/32"
(.156")
[4mm]

3-5/8"
(3.625")
[92mm]

3-3/8
(3.375")
[86mm]

4-1/8"
(4.125")
[105mm]

4-7/8"
(4.875")
[124mm]

15/16"
(.938")
[24mm]

Drill for
#12-24 machine screws
or
#12 wood screws
(2 places)

Door must correspond
with strike centerline

4

57010-K

After door & frame have been prepared, refer to illustration below and install strike components into door frame in following order :

1 - Insert **A**.
2 - Place **B** against **A**.
3 - Secure **A** and **B** with **C**.
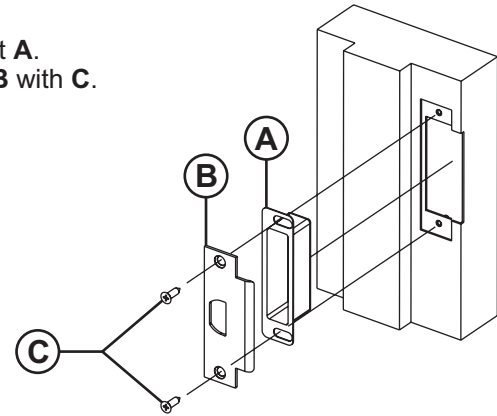
After strike components have been installed, refer to illustration on right and assemble lock components onto door in following order :

1 - Insert **D**.
2 - Secure **D** with **E**.
3 - Remove **F** from **H**.
4 - Remove **G** from **H**.
5 - From <u>inside</u> of door, insert **H**.
NOTE: Refer to **Detail D-A**. Latch Tabs (**I**) to engage with Retractor Claws (**J**).
6 - From <u>outside</u> of door, install **G** onto **H**.
7 - Secure **G** with **F**.
Refer to **Detail D-B** if handing must be changed:
  ▪ Using **K** (5/32" hex wrench), remove **L**.
  ▪ Remove and rotate **M** by 180 degrees.
  ▪ Slide **M** back onto shaft.
  ▪ Apply threadlocker to **L**.
  ▪ Using **K**, reinstall **L**.
IMPORTANT: If IC Core must be replaced, refer to instructions on page 3 before continuing.
8 - Apply sticky side of **N** to **O**.
NOTE: **P** to go thru proper hole in **N**.
9 - Refer to **Detail D-C** and verify that **Q** is at bottom.
10 - Insert appropriate **R** (refer to **Chart C-A**) into **S**.
11 - Insert **P** through **T**.
12 - Place **O** against door.
13 - Place **V** against **X**.
14 - Doors thinner than 1-3/4" [44mm], place **W** against **X**.
15 - Feed **P** through **X** (or **W/X**).
16 - Place **X** (or **W/X**) against door.
17 - Secure **X** with **Y** and **Z**.
18 - Insert **Aa** into **Ba**.
19 - Insert **Ba** into **U**.
20 - Connect **P** to **Ca**.
21 - Install 4, AA batteries into **Da** (observe polarity).
22 - Place **Fa** over **X**.
23 - Secure **Fa** with **Ga**.

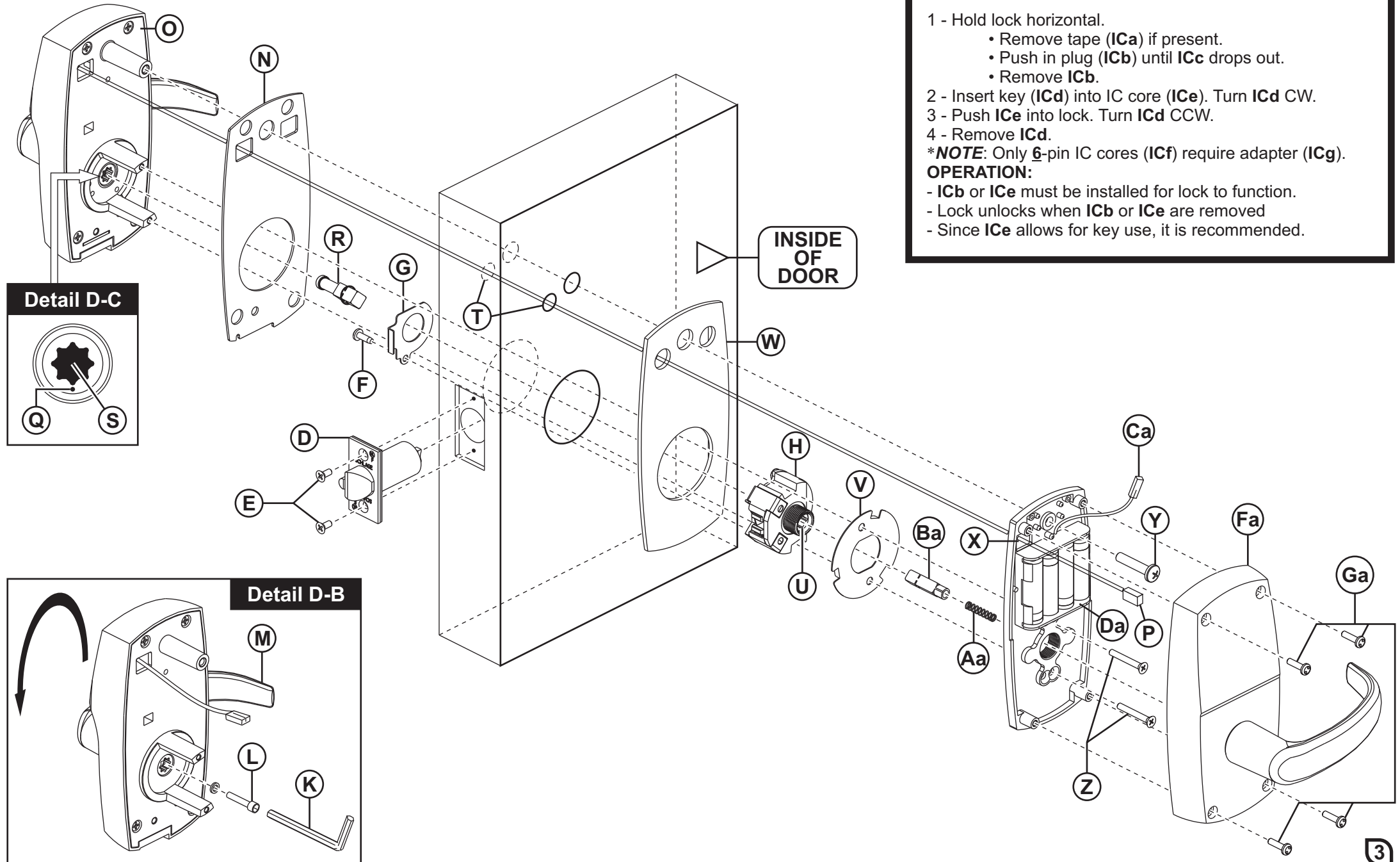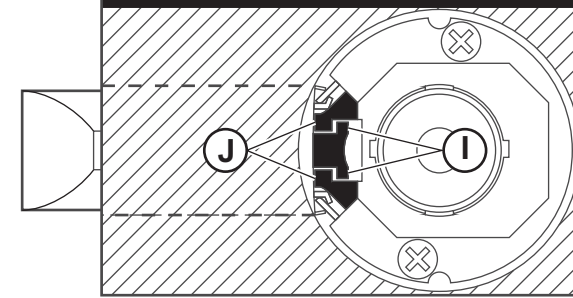**Installation of hardware complete.**

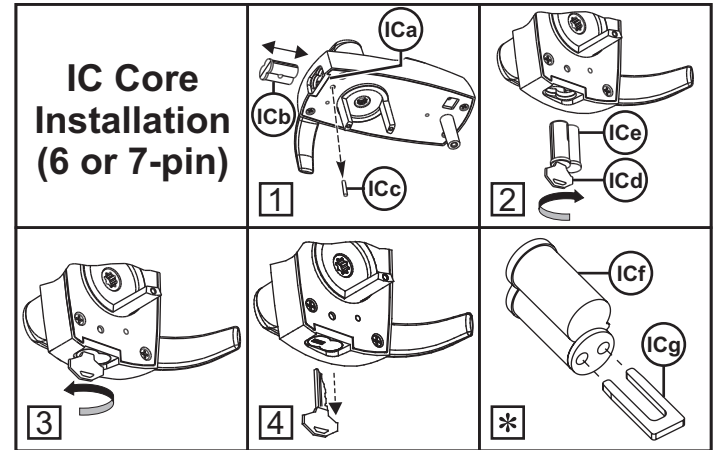**See Cobra Series Programming Guide for programming lock.**

Chart C-A

Door Thickness	Use
1-1/2"-1-3/4" (1.50"-1.75") [38-44mm]	Short Spindle (<u>Yellow</u>)
1-7/8"-2" (1.88"-2.00") [48-51mm]	Long Spindle*(<u>Black</u>) *Long Spindle has band

Detail D-A

Detail D-C

Detail D-B

INSIDE OF DOOR

IC Core Installation (6 or 7-pin)

1 - Hold lock horizontal.
  • Remove tape (**ICa**) if present.
  • Push in plug (**ICb**) until **ICc** drops out.
  • Remove **ICb**.
2 - Insert key (**ICd**) into IC core (**ICe**). Turn **ICd** CW.
3 - Push **ICe** into lock. Turn **ICd** CCW.
4 - Remove **ICd**.
NOTE: Only <u>6</u>-pin IC cores (**ICf**) require adapter (**ICg**).
OPERATION:
- **ICb** or **ICe** must be installed for lock to function.
- Lock unlocks when **ICb** or **ICe** are removed
- Since **ICe** allows for key use, it is recommended.